

EXHIBIT 31

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HUAWEI TECHNOLOGIES CO., LTD.,
Petitioner,

v.

WSOU INVESTMENTS, LLC D/B/A BRAZOS
LICENSING AND DEVELOPMENT,
Patent Owner.

Case IPR2021-00229
U.S. Patent 8,429,480

PATENT OWNER POWER OF ATTORNEY

Pursuant to 37 CFR § 42.10(b), a Power of Attorney is submitted herewith.
Patent Owner WSOU Investments, LLC d/b/a Brazos Licensing and Development
hereby appoints the following practitioners as its attorneys to transact all business in
the United States Patent and Trademark Office associated with *Inter Partes Review* of
U.S. Patent No. 8,429,480:

Patent Owner's Lead and Back-up Counsel	
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The individual signing below has the authority to execute this document on behalf of Patent Owner WSOU Investments, LLC d/b/a Brazos Licensing and Development.

Respectfully submitted,



Stuart Shanus for WSOU
Investments, LLC d/b/a Brazos
Licensing and Development

CERTIFICATE OF SERVICE

I certify that the foregoing Patent Owner Power of Attorney was served on Petitioner's counselors of record by electronic notification to:

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Date: November 30, 2020

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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

UNIFIED PATENTS, LLC
Petitioner

v.

WSOU INVESTMENTS, LLC D/B/A BRAZOS
LICENSING AND DEVELOPMENT
Patent Owner

Case IPR2021-00378
U.S. Patent 8,179,960

PATENT OWNER POWER OF ATTORNEY

Pursuant to 37 CFR § 42.10(b), a Power of Attorney is submitted herewith.
Patent Owner WSOU Investments, LLC d/b/a Brazos Licensing and Development
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Respectfully submitted,

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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

JUNIPER NETWORKS INC.

Petitioner

v.

WSOU INVESTMENTS, LLC D/B/A BRAZOS
LICENSING AND DEVELOPMENT

Patent Owner

Case IPR2021-00538

U.S. Patent 7,596,140

PATENT OWNER POWER OF ATTORNEY

Pursuant to 37 CFR § 42.10(b), a Power of Attorney is submitted herewith.

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Respectfully submitted,

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Stuart Shanus for WSOU
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I certify that the foregoing was served on Petitioner's counselors of record by electronic notification to the email addresses identified in

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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ZTE Corporation, ZTE (USA), Inc., and ZTE (TX), Inc.,

Petitioners

v.

WSOU INVESTMENTS, LLC D/B/A BRAZOS
LICENSING AND DEVELOPMENT
Patent Owner

Case IPR2021-00694
U.S. Patent 7,489,929

PATENT OWNER POWER OF ATTORNEY

Pursuant to 37 CFR § 42.10(b), a Power of Attorney is submitted herewith.

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